

CLAIMS

- 5 1. Process for producing a plastic web for coating a metal substrate, in which the plastic used is polyester, characterised in that the plastic web is produced by extruding a mixture of various polyesters.
2. Process according to Claim 1, characterised in that the polyesters used are copolyesters.
- 10 3. Process according to Claim 2, characterised in that copolyesters based on terephthalic acid are used.
- 15 4. Process according to Claim 3, characterised in that polyesters which are formed on the basis of PET are used.
5. Process according to one of the preceding claims, characterised in that the mixture used is a mixture of a crystallisable polyester and a non-crystallisable polyester.
- 20 6. Process according to Claim 5, characterised in that the non-crystallisable polyester used is a copolyester containing CHDM (1,4-cyclohexanedimethanol).
- 25 7. Process according to Claim 6, characterised in that the CHDM-modified copolyester is obtained by reacting a mixture of terephthalic acid, ethylene glycol (ethanediol) and CHDM.
- 30 8. Process according to Claim 5, characterised in that the non-crystallisable polyester used is a PET/PEN copolymer which is obtained by reacting a mixture of terephthalic acid, naphthalenedicarboxylic acid and ethylene glycol (ethanediol).
9. Process according to one of Claims 5-8, characterised in that the mixture used has a non-crystallisable weight fraction which is greater than 6%.
- 35 10. Process according to Claim 9, characterised in that the mixture used has a non-crystallisable weight fraction which is less than 90%.

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- 10 11. Process according to Claim 9 or 10, characterised in that the mixture used has a non-crystallisable weight fraction which is approximately 25% or greater.
12. Process according to one of Claims 9-11, characterised in that the mixture used has a non-crystallisable weight fraction which is approximately 33% or greater.
13. Process according to one of Claims 9-12, characterised in that the mixture used has a non-crystallisable weight fraction which is approximately 50% or greater.
- 15 14. Process according to one of Claims 9-13, characterised in that the mixture used has a non-crystallisable weight fraction which is approximately 66% or greater.
- 15 15. Process according to one of Claims 9-14, characterised in that the mixture used has a non-crystallisable weight fraction which is approximately 75% or greater.
- 20 16. Laminate comprising a metal substrate and a plastic layer, characterised in that the plastic layer comprises an adhesive layer, the adhesive layer substantially comprising a plastic web produced according to the process described in one of Claims 1-15.
- 25 17. Laminate comprising a metal substrate and a plastic layer, characterised in that the plastic layer comprises a top layer, the top layer substantially comprising a plastic web produced according to the process described in one of Claims 1-15.
- 30 18. Laminate according to Claims 16 and 17, characterised in that there is an intermediate layer between the adhesive layer and the top layer, the intermediate layer substantially comprising a plastic web which is produced by extruding a polyester.
- 35 19. Laminate according to Claim 18, characterised in that the intermediate layer is produced according to the process described in one of Claims 1-8.
20. Laminate according to Claim 19, characterised in that the intermediate layer is produced from a mixture with a non-crystallisable weight fraction which is approximately 10% or greater.

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21. Laminate according to Claim 20, characterised in that the intermediate layer is produced from a mixture with a non-crystallisable fraction which is approximately 33% or greater.
22. Screw cap produced from a laminate according to one of Claims 16-21.
23. Crown cork produced from a laminate according to one of Claims 16-21.
24. Easy open end produced from a laminate according to one of Claims 16-21.
25. Component produced from a laminate according to one of Claims 17-21, in which a PVC-containing compound is applied to the top layer of the plastic layer of the laminate.
26. Component according to Claim 25, in which the non-crystallisable weight fraction in the top layer is approximately 25% or greater.
27. Component according to Claim 25, in which the weight fraction is approximately 35% or greater.
28. Component according to Claim 27, in which the said weight fraction is approximately 50% or greater.
29. Component according to Claim 28, in which the said weight fraction is approximately 66% or greater.
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